Geophysical Data Collection
Daily Log and QC Testing
MTADS EM Array

Date: _____

Blackhawk Field Personnel

_____   _____

_____   _____

GPS Base Station Setup

Base Location: _____

Frequency: _____ MHz

Time: _____

AM Standardization Tests

1) Warm up EM instrument for 15 minutes.

     Start Time: _____

2) Collect data for at least 2 minutes in a static mode (not moving).

     File Folder: _____   File Name: _____

     Time: _____

4) Position Standard Board centered on coils.

     (Enter coil readings in mV)

	LEFT	CENTER	RIGHT
Top			
Bottom			

5) Positional Accuracy Test
     Collect data over standard line in 2 directions

     File Folder: _____   File Name: _____

Data Collection

Area: _____

Instrument Operator: _____

Folder: _____   File: _____

Start Time: _____   End Time: _____

FIELD NOTES (site conditions, obstacles, unusual work stoppages, etc.):

<u>Midday Procedure</u>

1) Download *.DAT file from GPS Base Station and Rover 4700 Receivers

Base *.DAT File Name: _____

Receiver *.DAT File Name: _____

2) Erase *.DAT files from GPS Base Station and Rover 4700 Recievers

3) Restart GPS Base Station   Time: _____

<u>PM Standardization Tests</u>

1) Collect data for at least 2 minutes:

File Folder: _____   File Name: _____

Time: _____

3) Position Standard Board centered on coils.

(Enter coil readings in mV)

	LEFT	CENTER	RIGHT
Top			
Bottom			

4) Positional Accuracy Test
     Collect data over standard line in 2 directions

File Folder: _____   File Name: _____

Time: _____

```
/file name                   (.extension)
/file type                   raw, edited, processed data
/contractor name             name
/sensor                      MTADS EM
/start date                  mm/dd/yy
/end date                    mm/dd/yy
/line spacing                (in feet)
/station interval            (in feet)
/line number
/start station number
/Sector designation          sector number
/data easting (origin)       state plane feet east
/data northing (origin)      state plane feet north
/survey reference system     ( e.g., California State Plane, Zone 9, North American Datum
                             1983)
/channels (z)                4
/z1                          ( e.g., top channel in millivolts)
/z2
/z3
```

/z_n
/comments
/end
Line 0

record	northing	easting	top	bottom	normalized	difference	time